

**Storm Water Pollution Prevention Plan
Former ORP/Building 1 Area
Remediation Project
Former Oakland Army Base—EDC Area
Oakland, California**

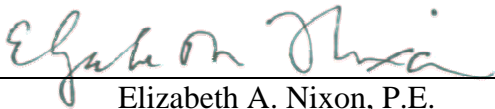
October 31, 2005

Prepared For:

Oakland Base Reuse Authority
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TABLE OF CONTENTS

1.0	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)	1
2.0	SWPPP CERTIFICATIONS AND APPROVAL	2
2.1	Initial SWPPP Certification by Contractor	2
2.2	Owner/Developer Approval and Certification of SWPPP	3
2.3	Annual Compliance Certification	4
2.4	Notice of Intent	4
3.0	SWPPP AMENDMENTS	5
3.1	SWPPP Amendment Certification and Approval	5
3.2	Amendment Log	7
4.0	INTRODUCTION AND PROJECT DESCRIPTION	8
4.1	Introduction and Project Description	8
4.2	Construction Site Estimates	9
4.3	Construction Schedule	9
4.4	Contact Information and Responsible Parties	9
5.0	REFERENCES	11
6.0	BODY OF SWPPP	12
6.1	Pollutant Source Identification	12
6.2	Pollutants Likely to be Present in Storm Water Discharges	12
6.2.1	BMPs for Chemically Impacted Soils	13
6.2.2	BMPs for Vehicle and Equipment Service	14
6.2.3	BMPs for Materials Delivery, Handling, and Storage	14
6.2.4	BMPs for Sanitary/Septic Waste Management	15
6.2.5	BMPs for Disposal of Construction Waste	15
6.3	Erosion and Sediment Control Practices	16
6.3.1	General Practices	16
6.3.2	Soil Stabilization Procedures	17
6.3.3	Practices to Reduce the Tracking of Sediment Onto Public and Private Roads and Paved Areas	17
6.3.4	Dust Control	17
6.3.5	Pre-Construction Control Practices	18
6.4	Non-Storm Water Management	18
6.5	Spill Prevention and Control	18
6.6	Personnel Training	18
6.7	Storm Water Pollution Controls After Work is Completed	19
6.7.1	Protective Measures	19
6.7.2	Site Grading	19
6.7.3	Existing Storm Drain System	19
6.8	SWPPP Updates	20
7.0	MONITORING	21
7.1	Summary	21



7.2	Site Inspections	21
7.3	Compliance Certification	21
7.4	Sampling	22
7.5	Non-Compliance Reporting	22
7.6	Records	23
8.0	TERMINATION	24
8.1	Transfers	24
8.2	Termination	24

ATTACHMENTS

Attachment A:	Site Location Map
Attachment B:	Annual Certification of Compliance Form
Attachment C:	Notice of Intent
Attachment D:	Computation Sheet for Determining Runoff Coefficients
Attachment E	Project Construction Schedule
Attachment F	Site Plan
Attachment G	Subcontractor Notification Letter and Notification Log
Attachment H	Location of BMPs During Construction
Attachment I	Post Construction Grading Plan
Attachment J	Trained Contractor Personnel Log
Attachment K	Storm Water Quality Construction Site Inspection Checklist



1.0 STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

SWPPP Preparation Date:October 31, 2005

Waste Discharge I.D. Number:2 01C336806

Construction Dates:October 3 to December 14, 2005

Project Name:Former ORP/Building 1
Remediation Project

Project Address:Bataan Avenue at Maritime Street
Former Oakland Army Base
Oakland, California

Assessor's Parcel Number (APN):0330-001-7

Grading Permit Number:not required by the City of Oakland

Owner:Oakland Base Reuse Authority

Owner Representative:Andrew Clough

Owner's Address:700 Murmansk Street, Suite 3
Oakland, California 94607

Owner's Phone:(510) 986-2879

Contractor:Pacific States Environmental Contractors, Inc.
11555 Dublin Boulevard
Dublin, California 94568

Contractor Representative:Keith Wayne
Pacific States Environmental Contractors, Inc.

Contractor Phone:(925) 803-4333

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Contractor's SWPPP Manager (SWPPM):Cory Divers

Contractor SWPPP Manager Phone:(925) 519-2492

SWPPP Preparer:Elizabeth A. Nixon and Alan L. Leavitt
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2.0 SWPPP CERTIFICATIONS AND APPROVAL

2.1 Initial SWPPP Certification by Contractor

Project Name: Former ORP/Building 1 Area Remediation Project
Former Oakland Army Base—Economic Development
Conveyance (EDC) Area

Project Number: APN 0330-001-7

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signed: _____ Date: _____

Title: _____



2.2 Owner/Developer Approval and Certification of SWPPP

Project Name: Former ORP/Building 1 Area Remediation Project
Former Oakland Army Base—Economic Development
Conveyance (EDC) Area

Project Number: APN 0330-001-7

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signed: _____ Date: _____

Title: _____



2.3 Annual Compliance Certification

By July 1 of each year, the Contractor shall submit an Annual Certification of Compliance to the appropriate Regional Water Quality Control Board (RWQCB), stating compliance with the terms and conditions of the General Permit and the SWPPP. The Annual Certification of Compliance Form is included as Attachment B.

2.4 Notice of Intent

A Notice of Intent (NOI) has been prepared as part of this SWPPP and is included as Attachment C. The NOI will be submitted to the RWQCB to comply with the State Water Resource Control Board (SWRCB) General Permit No. CAS00001.



3.0 SWPPP AMENDMENTS

3.1 SWPPP Amendment Certification and Approval

This SWPPP shall be amended:

- Whenever there is a change in construction or operations which may affect the discharge of pollutants to surface waters, groundwater(s), or a municipal storm sewer system (MS4);
- If any condition of the General Permit is violated or the general objective of reducing or eliminating pollutants in storm water discharges has not been achieved. If the RWQCB determines that a permit violation has occurred, the SWPPP shall be amended and implemented within 14-calendar days following notification by the RWQCB;
- Annually, prior to the defined rainy season; and
- When deemed necessary by the Owner/Developer/Contractor.

The amendment log for this SWPPP, along with the Owner/Developer/Contractor's Certification and the Owner/Developer/Contractor approval, can be found in this section. The following items will be included in each amendment:

- Who requested the amendment;
- The location of the proposed change;
- The reason for change;
- The original Best Management Practice (BMP) proposed, if any; and
- The new BMP proposed.



SWPPP Amendment No.

Project Name: Former ORP/Building 1 Area Remediation Project
Former Oakland Army Base—Economic Development
Conveyance (EDC) Area

Project Number: APN 0330-001-7

Contractor Certification of the Storm Water Pollution Prevention Plan Amendment

I certify under a penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____ Date: _____

Title: _____

**Owner/Developer Approval of the
Storm Water Pollution Prevention Plan Amendment**

I certify under a penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____ Date: _____

Title: _____



3.2 Amendment Log

Amendment No.	Date	Brief Description of Amendment	Prepared By



4.0 INTRODUCTION AND PROJECT DESCRIPTION

4.1 Introduction and Project Description

Northgate Environmental Management, Inc. (Northgate) has prepared this Stormwater Pollution Prevention Plan (SWPPP) for Pacific States Environmental Contractors, Inc. (Pacific States) on behalf of the Oakland Base Reuse Authority (OBRA) to address storm water management during remediation of the former Oil Reclaiming Plant (ORP)/Building 1 Area (Site), a portion of the former Oakland Army Base/Economic Development Conveyance (EDC) Area in Oakland, California. This SWPPP has been developed to comply with the requirements of the State Water Resources Control Board (SWRCB) National Pollutant Elimination System (NPDES) General Permit for Storm Water Discharges resulting from construction activities.

The Site is located near the intersection of Bataan Avenue and Maritime Street. A Site location map is presented as Attachment A, and a Site plan is presented as Attachment F. The Site is mostly paved, and surface runoff drains into a storm drain system that empties into the San Francisco Bay, located approximately 900 feet west of the Site. The Site is relatively flat, sloping gently to the southwest. The storm drain system is maintained and operated by the City of Oakland.

The objective of the former ORP/Building 1 Area remediation is to excavate, treat, and dispose of contaminated soils in accordance with the *Draft Remedial Design Implementation Plan for the Former ORP/Building 1 Area, Former Oakland Army Base—EDC Area* (Draft RDIP) (Erler and Kalinowski [EKI], 2004).

The objective of this SWPPP is to control the potential discharge of contaminated storm water to the storm drain system and surface water and to limit the discharge of sediments. Best Management Practices (BMPs) will be implemented by the Contractor. Instructions on placement and installation of BMPs are included in this SWPPP.

This SWPPP identifies potential pollutants that could enter surface water runoff at the Site. It also identifies and provides BMPs that will be utilized during the former ORP/Building 1 Area remediation. Additionally, the SWPPP provides for recording periodic updates or amendments, includes a monitoring program, and provides project personnel contact information.



4.2 Construction Site Estimates

The following are estimates of the construction site:

Construction site area	9.3	acres
Percentage impervious area before construction	80	%
Runoff coefficient before construction ¹	.79	
Percentage impervious area after construction	64	%
Runoff coefficient after construction ¹	.64	

Note:

1. Calculations are shown in Attachment D.

Storm water flow on to the construction site from upgradient sources is expected to be minimal. Storm water flow northeast of the Site is captured in catch basins located along Alaska Street and conveyed to the San Francisco Bay via storm drains.

4.3 Construction Schedule

Construction is scheduled to start in the beginning of October 2005 and will continue for approximately 10 weeks. The construction is scheduled to be completed in one phase. Attachment E shows details of the project schedule and portions of the construction, which will be completed during the rainy season.

BMPs to control the potential release of pollutants will be implemented, as necessary, throughout the duration of the construction project. Major excavation and construction activities at the Site have been scheduled to begin prior to the start (October 15) and in the early part of the rainy season. For construction activities that will take place during the rainy season, specific BMPs to control storm water runoff and the potential discharge of pollutants to surface water will be implemented, if necessary, before the rainy season begins.

4.4 Contact Information and Responsible Parties

The Storm Water Pollution Prevention Manager (SWPPM) assigned to this project is Cory Divers of Pacific States. A complete list of contacts and responsible parties is shown on the first page of this SWPPP.



The SWPPM shall have primary responsibility and significant authority for the implementation, maintenance, inspection, and amendments to the approved SWPPP. The SWPPM will be available at all times throughout the duration of the project. Duties of the Owner/Developer/Contractor's SWPPM include, but are not limited to, the following:

1. Ensuring full compliance with the SWPPP and the General Permit;
2. Implementing all elements of the SWPPP, including but not limited to:
 - Implementing prompt and effective erosion and sediment control measures;
 - Implementing all non-storm water management, and materials and waste management activities such as: monitoring discharges (dewatering, diversion devices); general site clean-up; vehicle and equipment cleaning, fueling and maintenance; spill control; ensuring that no materials other than storm water are discharged in quantities which will have an adverse effect on receiving waters or storm drain systems, etc;
3. Conducting pre-storm inspections;
4. Performing storm and post-storm event inspections;
5. Conducting routine inspections, as specified in the project specifications or described in the SWPPP;
6. Providing updates/amendments to the SWPPP, as needed;
7. Preparing annual compliance certification;
8. Ensuring elimination of all unauthorized discharges;
9. Mobilizing crews to make immediate repairs to the control measures in accordance with the SWPPM as the assigned authority by the Owner/Developer/Contractor;
10. Coordinating with the Owner/Developer/Contractor to ensure that all the necessary corrections/repairs are made immediately, and that the project complies with the SWPPP, the General Permit, and approved plans at all times;
11. Submitting Notices of Discharge and reports of Illicit Connections or Illegal Discharges; and
12. Notifying all Subcontractors of SWPPP compliance requirements (Attachment G).



5.0 REFERENCES

The following documents are made a part of this SWPPP by reference:

Erler and Kalinowski, Inc., 2004, *Draft Remedial Design Implementation Plan for the Former ORP/Building 1 Area, Former Oakland Army Base—EDC Area.*

Erler and Kalinowski, Inc., 2005, *Contract Documents for Former ORP/Building 1 Area Remediation Project.*

Northgate Environmental Management, Inc., 2005a, *Decontamination Plan.*

Northgate Environmental Management, Inc., 2005b, *Dust and Odor Control Plan.*

Northgate Environmental Management, Inc., 2005c, *Noise Reduction Plan.*

Northgate Environmental Management, Inc., 2005d, *Perimeter Air Monitoring Plan.*

Northgate Environmental Management, Inc., 2005e, *Site-Specific Health and Safety Plan.*

Northgate Environmental Management, Inc., 2005f, *Soil Treatment Process Plan.*

Northgate Environmental Management, Inc., 2005g, *Stockpile Management Plan.*

Northgate Environmental Management, Inc., 2005h, *Traffic Control and Transportation Plan.*

State Water Resource Control Board (SWRCB) Order No. 99-08-DWQ, National Pollutant Discharge Elimination General Permit No. CAS000002, Water Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction Activity.

California Stormwater BMP Handbook—Construction, January 1993.



6.0 BODY OF SWPPP

6.1 Pollutant Source Identification

This section describes the potential sources that could contribute pollutants to storm water discharges from the construction site. Attachments H and I show the locations of the storm water controls to be implemented. The following items are shown on these attachments:

1. Designated exclusion, contaminant reduction, and support zones
2. Areas of excavation (Base Case);
3. Treatment pad location;
4. Storm drain locations;
5. Locations of storm water control elements (BMPs) used during and after construction;
6. Drainage patterns and slopes proposed after completion of grading;
7. Areas used to store soils, materials, and wastes;
8. Equipment storage areas;
9. Existing and planned paved areas and buildings;
10. Location of post-construction control measures;
11. Stabilized entrance(s)/exit(s);
12. Storm drain catch basins that will be protected during construction and restored after construction;
13. Locations for placement of straw wattles, fiber rolls, or earthen materials; and
14. Proposed discharge to receiving waters (via storm water drains).

6.2 Pollutants Likely to be Present in Storm Water Discharges

POLLUTANT	SOURCE
Diesel, Oils, and Grease	Daily operation of machinery and heavy equipment
Asphalt and Tar	Post-remediation paving operations
Degreasing Agents	Equipment clean-up and maintenance
Sediments	Remediation of chemically affected soils, grading, erosion from storm water runoff, and daily operations of the Site
Debris/Trash/Litter	All construction activities



The Contractor will use the following specific BMPs to prevent and control pollution from potential sources of contaminants.

6.2.1 BMPs for Chemically Impacted Soils

Previous investigations have identified the presence of chemically impacted soil beneath the ground surface at the Site. Remediation Goals established by the California Department of Toxic Substances Control (DTSC) for the Site are based on analytical results obtained from these investigations.

Remediation of chemically impacted soils includes removing soil from an area of the Site that has been found to contain a layer of Organic Residue and Stained and Oily Soil with concentrations of chemicals exceeding the established Remediation Goals. Less impacted Overburden Soil overlying the Organic Residue layer also will be excavated. The planned excavation area is shown on Attachment H. Additional soil may be excavated, if warranted, by visual evidence or confirmation soil sampling results.

As soils are excavated, they will be segregated into Overburden Soil, Organic Residue, and Stained and Oily Soil. Materials will be kept separately from each other and the ground surface with the use of separator materials such as plastic sheeting underneath and over the soil stockpiles. Chemically affected soils above the Remediation Goals will be removed from the Site and disposed at suitable landfills. If necessary, soils will be treated with portland cement to stabilize contaminants prior to off-site disposal.

To prevent soil contaminants from leaving the Site, the following practices will be implemented:

- Material barriers will be installed beneath the treatment pad area and stockpile areas;
- A berm will be constructed around the base of the treatment pad;
- Soil will be allowed to drain into the excavation before transferring it to the treatment pad or stockpile areas to minimize the occurrence of liquid accumulation in the treatment pad or stockpile area. Free water will be drained from the excavator bucket in combination with temporarily placing material on benched areas within the excavation and allowing water to drain back to the low point of the excavation.
- Soil placed on the treatment pad and in stockpiles will be covered with plastic sheeting at all times when the areas are not being loaded.
- Leachate and stormwater from the treatment pad area will be collected, containerized, tested, and disposed according to procedures described in the *Soil Treatment Process Plan* (STPP; Northgate, 2005f).



- If water accumulates beneath the soil stockpiles, it will be collected and transferred to the storage container utilized for leachate and stormwater collected from the treatment pad area.
- Plastic sheeting underlying and overlapping soil stockpiles will be overlapped to prevent water from entering stockpiles; and
- If overlapping plastic sheeting does not adequately protect stockpiles from contact with stormwater, material barriers such as fiber-rolls, straw wattles, or earthen material will be placed around the base of the stockpiles.
- The ground surface between soil stockpiles will be broom-swept when necessary and when wet weather is forecast.

6.2.2 BMPs for Vehicle and Equipment Service

To prevent and control leaks from equipment and vehicles, and to minimize the possibility of discharging petroleum products, the following practices will be implemented:

- No major maintenance or repair of equipment/vehicles will be allowed on site. Any equipment/vehicles needing major maintenance or repair will be transported off site.
- Minor repairs, maintenance and storage will be completed in a designated equipment storage area. Drip pans and drip cloths will be used, if necessary, and properly disposed of to drain and replace fluids on site.
- A small, covered stockpile of soil will be stored near the equipment storage area to be used for emergency spill containment.
- A fueling area will be established in the contaminant reduction zone, as shown on Attachment H. A temporary berm will be placed around the fueling area to contain any potential spills. The fueling area will be subject to relocation to suit the Contractor's method of operation or to benefit water quality considerations.

6.2.3 BMPs for Materials Delivery, Handling, and Storage

Small fuel tanks, solvents, glues, etc. will be stored in a secure storage area in storage containers not susceptible to rainfall or runoff. To minimize the potential of polluting runoff, the following procedures will be implemented:

- All hazardous materials will be labeled and stored according to Federal and State regulations.
- All subcontractors will be trained in proper material delivery, handling, and storage practices.
- Hazardous chemicals will not be applied outdoors during wet weather.



- A small, covered stockpile of soil will be stored near the equipment storage area to be used for emergency spill containment.
- Proper storage instructions will be posted at all times in an open and conspicuous location.
- Material Safety Data Sheets (MSDS) for all hazardous materials will be available at all times on site, in an easily accessible location.
- Storage areas will be inspected before and after all rainfall events, and at least weekly throughout the duration of the project work.
- Storage areas will be kept clean and well maintained.

6.2.4 BMPs for Sanitary/Septic Waste Management

Portable toilets will be supplied from a licensed company that maintains a waste disposal permit. Toilets will be sited away from storm drains. Units will be serviced regularly, as needed, and facilities will be inspected for leaks on a weekly basis.

6.2.5 BMPs for Disposal of Construction Waste

To minimize the potential for polluting runoff from construction waste, the following procedures will be implemented:

- A concrete and debris stockpile area will be designated. The area will be lined with plastic sheeting (see Attachment F).
- Debris such as rock, roots, brick, tires, and concrete will be stored in the stockpile area. Stockpiled material will be managed as debris following protocols as described in Section 8 of the SAP (Appendix B, Draft RDIP; EKI, 2004) for additional disposal sampling. Following profiling according to analytical test results, the material will be re-used on site or disposed at an approved landfill.
- The stockpile area will be inspected routinely to ensure materials are stable.
- Covered, watertight dumpsters will be used to collect trash and miscellaneous small debris that is not hazardous.
- Dumpsters will not be hosed out at the Site.
- Contents of the dumpsters will be disposed of periodically.



6.3 Erosion and Sediment Control Practices

6.3.1 General Practices

The following erosion and sediment control practices will be implemented and are intended to prevent a net increase of sediment load into storm water discharges.

- All soil stockpiles will be covered with material barriers such as high-density polyethylene (HDPE) sheeting, to prevent contact with rainwater and wind, except when stockpiles are being loaded.
- All catch basins and drain inlets located within or adjacent to the Site will be protected with inlet filters (Siltsack™ or similar product), gravel bags, or hay bales. Barriers will be inspected and cleaned or repaired, as necessary, before and after every storm event and periodically throughout the project. Catch basins that are located beneath the treatment and stockpile areas will be covered and secured during construction activities and will not operate.
- Straw wattles, fiber rolls, hay bales, silt fencing, or earthen materials will be placed at the perimeter of the construction site, where runoff could occur, to direct water toward protected storm drain inlet structures. Materials will be inspected before and after every rain event and periodically throughout the project. Any required maintenance will be performed, as needed. Extra materials will be procured and stored on site to be used, if needed, in emergency situations.
- The ground surface in the vicinity of the excavation and stockpiles will be broom-swept daily to minimize sediment buildup.
- The following procedures will be implemented to eliminate discharges (to gutters and storm drains) resulting from paving, surfacing, and asphalt removal activities:
 - Concrete, asphalt, and seal coat will be applied only in dry weather.
 - Storm drain inlets and manholes will be covered prior to paving or applying seal coat.
 - Paving machines will be parked on level ground over absorbent material to accommodate drips.
 - When making saw-cuts, each catch basin will be covered completely with filter fabric, the slurry will be contained by placing gravel dams around the catch basin, and wet vacuum will be used to remove saw-cut slurry, to prevent it from entering the storm drains.
 - All broken concrete/asphalt will be hauled off site.



6.3.2 Soil Stabilization Procedures

Erosion control blankets will be used to stabilize soil in graded areas on the construction site. These blankets provide temporary protection on slopes where excavation/landscape work will occur within 1 to 6 months at the construction site. Additional erosion control blankets will be installed in all v-ditches, until work with the concrete material is finished. All erosion control blankets will be inspected after installation, and before and after significant rain events, for erosion or undermining. Any failures will be repaired immediately.

On the northeast and northwest site boundaries, a narrow strip of soil is present between the existing pavement and the fence that encloses the Site. These strips will be covered with erosion control blankets during construction activities. No additional soil will be exposed on the surface after construction grading activities are completed.

6.3.3 Practices to Reduce the Tracking of Sediment Onto Public and Private Roads and Paved Areas

The following control practices will be employed to reduce the tracking of sediment off-site onto public and private roads. These practices will help prevent the depositing of sediments into local storm drains.

- **Dry Decontamination Procedures:** Loose soil and contaminated material will be removed from equipment using shovels, scrapers, brushes, and brooms before leaving the exclusion zone.
- **Wet Decontamination Procedures:** A tire washing system will be installed at the decontamination pad to remove sediment from the tires of exiting vehicles.

For specific details on decontamination procedures, please refer to the *Decontamination Plan* (Northgate, 2005a) prepared for the Site.

6.3.4 Dust Control

The Contractor will generally stabilize exposed surfaces at the Site to minimize the presence of suspended or tracked dust particles and deter wind erosion. The *Dust and Odor Control Plan* (Northgate, 2005b) describes dust control procedures to be used during construction at the Site.



6.3.5 Pre-Construction Control Practices

Pre-construction control practices will be implemented to reduce sediment and other pollutants in storm water discharges. These practices will include Site design to minimize disturbed soil areas, avoidance of grading any areas not designated for remediation or to receive new fill, and maintenance of existing storm water inlets.

6.4 Non-Storm Water Management

The only non-storm water liquid discharge that may be released to storm drains during construction activities is water associated with dust and odor control. Procedures for dust and odor control, as described in the *Dust and Odor Control Plan* (Northgate, 2005b), include misting or spraying water at least twice daily or when visible dust is present to prevent formation of dust while excavating unsaturated zone soil, transferring unsaturated zone soil on-Site, or loading transportation vehicles with unsaturated zone soil. Only enough water will be applied to control dust generation and the application of excess water will be minimized. If excess water is generated from these activities, it would be directed to storm-drain catch basins, which, as described in Section 6.3.1, will be protected with inlet filters, gravel bags, or hay bales.

Otherwise, liquids generated during stockpiling and treatment will be collected, containerized, tested, and disposed according to procedures described in the *Soil Treatment Process Plan* (Northgate, 2005f). Water generated from equipment decontamination procedures also will be collected, containerized tested and disposed of according to procedures described in the *Decontamination Plan* (Northgate, 2005a).

6.5 Spill Prevention and Control

Sections 6.2.2 and 6.2.3 describe BMPs for preventing and controlling spills during construction activities. Should a spilled material be hazardous, then the used cleanup materials will be considered hazardous, and disposed of appropriately. If a hazardous spill occurs, the State Office of Emergency Services (OES) at (800) 852-7550 will be notified. For spills of federal reportable quantities, the National Response Center will be notified at (800) 424-8802.

6.6 Personnel Training

A copy of this SWPPP will be made available to the designated SWPPM and will be distributed to the subcontractor representatives engaged in the maintenance or installation of the pollutant, erosion, and sediment control measures.



The SWPPM observing improper construction measures or pollution caused by ineffective construction practices will inform site personnel of appropriate and proper practices, along with follow-up inspections for further observation and training.

Pacific States shall organize orientation sessions with all relevant personnel upon initiating a specific construction activity. These sessions will be setup to ensure that all contractor and subcontractor operations are implemented in accordance with this SWPPP.

Training sessions will be included as part of weekly safety meetings to familiarize workers with the requirements of this SWPPP. Attachment J is a Storm Water Management Training Log that will be used to document personnel training.

6.7 Storm Water Pollution Controls After Work is Completed

6.7.1 Protective Measures

After work is completed, the Contractor will implement protective measures and BMPs in accordance with this SWPPP to minimize storm water run-on entering the Site, prevent off-site migration of sediment from the Site during rainfall events, and avoid impacts to the local storm drain system and San Francisco Bay. Measures will include, at a minimum, stabilizing exposed surfaces through paving or covering with gravel. Post-construction surfaces are shown on Attachment I.

6.7.2 Site Grading

Following the completion of work activities, the Contractor will final grade the excavation area as indicated on Attachment I.

6.7.3 Existing Storm Drain System

The Contractor will maintain and protect the existing storm drain system that is not removed, both during and after work activities, including the catch basin inlets and piping, as shown on Attachment I. The Contractor will leave the Site such that no obstructions other than the Contractor's sediment control measures will prevent rainfall from flowing into a catch basin. The Contractor will clean the catch basins and piping after work is completed at the Site, and replace any gratings damaged during the work. After construction is completed storm drain catch basins will continue to be protected until vegetation is reestablished in unpaved areas.



6.8 SWPPP Updates

The Discharger shall amend this SWPPP whenever there is a change in construction or operations that could possibly result in the discharge of significant quantities of pollutants to the waters of the State. This SWPPP also must be amended if the measures described herein appear to not achieve the general objectives of reducing pollutants in storm water discharges. The RWQCB, City of Oakland, or the local governing agency may also require the Discharger to amend this SWPPP.

All amendments shall be numbered, listed on the Amendment Form (see Section 2.0), and acknowledged by signature thereon. Each amendment entered on the form shall include a brief explanation of the amendment, a description of the location, a reason for the change, and any modifications involved.



7.0 MONITORING

7.1 Summary

Under the General Permit, all Dischargers are required to conduct inspections of the construction site prior to anticipated storm events, and after actual storm events. During extended storm events, inspections must be made during each 24-hour period. The goals of these inspections are to:

- Identify areas contributing to storm water discharge;
- Evaluate whether measures to reduce pollutant loadings identified in the SWPPP are adequate and properly installed and functioning in accordance with the terms of the General Permit; and
- Determine whether additional control practices or corrective maintenance activities are needed. All corrective maintenance to be installed shall be performed as quickly as possible, and documented, allowing for appropriate worker safety.

7.2 Site Inspections

The SWPPM will be responsible for implementing this SWPPP, and will conduct routine Site inspections weekly during construction. Additionally, the SWPPM will perform Site inspections before anticipated storm events, after actual storm events, and every 24 hours during extended storm events. The name and contact number of the assigned SWPPM is listed in Section 1.0 of this SWPPP.

Pre-storm inspections are to ensure that BMPs are properly installed and maintained. Post-storm inspections are to ensure that all BMPs have functioned adequately and to identify corrective maintenance or repair, if needed. Each inspection shall include all structural and non-structural BMPs installed at the Site. Each inspection shall evaluate existing BMPs for adequacy and proper implementation, and also shall evaluate whether additional BMPs are required to maintain compliance with the terms of the General Permit. Each site inspection shall be recorded separately from the daily construction logs, using the Storm Water Quality Construction Site Inspection Checklist provided as Attachment J.

7.3 Compliance Certification

The Owner is required to submit an Annual Certification that construction activities at the Site are in compliance with the requirements of the General Permit and this SWPPP (see Section 1.3). This certification is based, in part, upon the site inspections described above. Certification must be completed by July 1st of each year, and submitted no later than August 31st of each year.



7.4 Sampling

Storm water samples shall be taken whenever visual monitoring indicates that there has been a breach, malfunction, leakage, or spill from a BMP which could result in the discharge of storm water pollutants that would not be visually detectable, or if storm water comes into contact with contaminated materials and is allowed to be discharged. The location of the sample shall be determined based on field conditions and the nature of the discharge.

The samples shall be taken by Pacific States personnel trained in water quality sampling procedures. Procedures shall meet the following criteria:

- Sampling bottles shall be obtained from a certified testing laboratory in advance of construction activities and stored on-site
- A sufficiently large sample of storm water that has not come in contact with the contaminated material shall be collected for comparison with the discharge sample. The sampling procedure shall be documented and described according to location and rationale for obtaining the comparison sample.
- Samples shall be collected during the first two hours of discharge from rain events that occur during daylight hours and which generate runoff.
- Analysis shall include both total suspended solids and settleable solids
- Analysis shall include suspected contaminants, and will depend on the contaminated material the storm water contacted.
- All field and/or analytical data shall be kept in the SWPPP document, which is to remain at the construction site at all times until a Notice of Termination has been submitted and approved.

7.5 Non-Compliance Reporting

The Owner's Representative shall report any instances of non-compliance with the terms of the General Permit and this SWPPP to the RWQCB. Non-compliance would include such actions as accidental spills or failure of structural controls. Corrective measures shall be implemented immediately following a discovery that water quality standards may have been compromised. The notification shall be submitted to the RWQCB within thirty (30) days and should: (1) identify the non-compliance event, including an initial assessment of any impact caused by the event; (2) describe the actions necessary to achieve compliance; and (3) include a time schedule (subject to modifications by the RWQCB) indicating when compliance will be achieved.



7.6 Records

Records of all inspections, Compliance Certifications, and Non-Compliance Reporting will be retained for a period of three (3) years from the date generated, in separate log books from other day-to-day site activities. With the exception of non-compliance reporting, the Owner is not required to submit these records to the RWQCB, except upon specific request by the Board. Upon completion of the project construction, and termination of coverage under the General Permit, all records shall be retained by the Owner for three (3) years, with a copy of the final SWPPP.



8.0 TERMINATION

8.1 Transfers

Coverage under the General Permit is non-transferable. A New Owner of an ongoing construction activity must submit a new Notice of Intent (NOI), in accordance with the requirements of the General Permit, to be authorized to discharge under the General Permit. An Owner who sells property covered by the General Permit shall inform the New Owner of the duty to file an NOI, and shall provide the New Owner with a copy of this SWPPP.

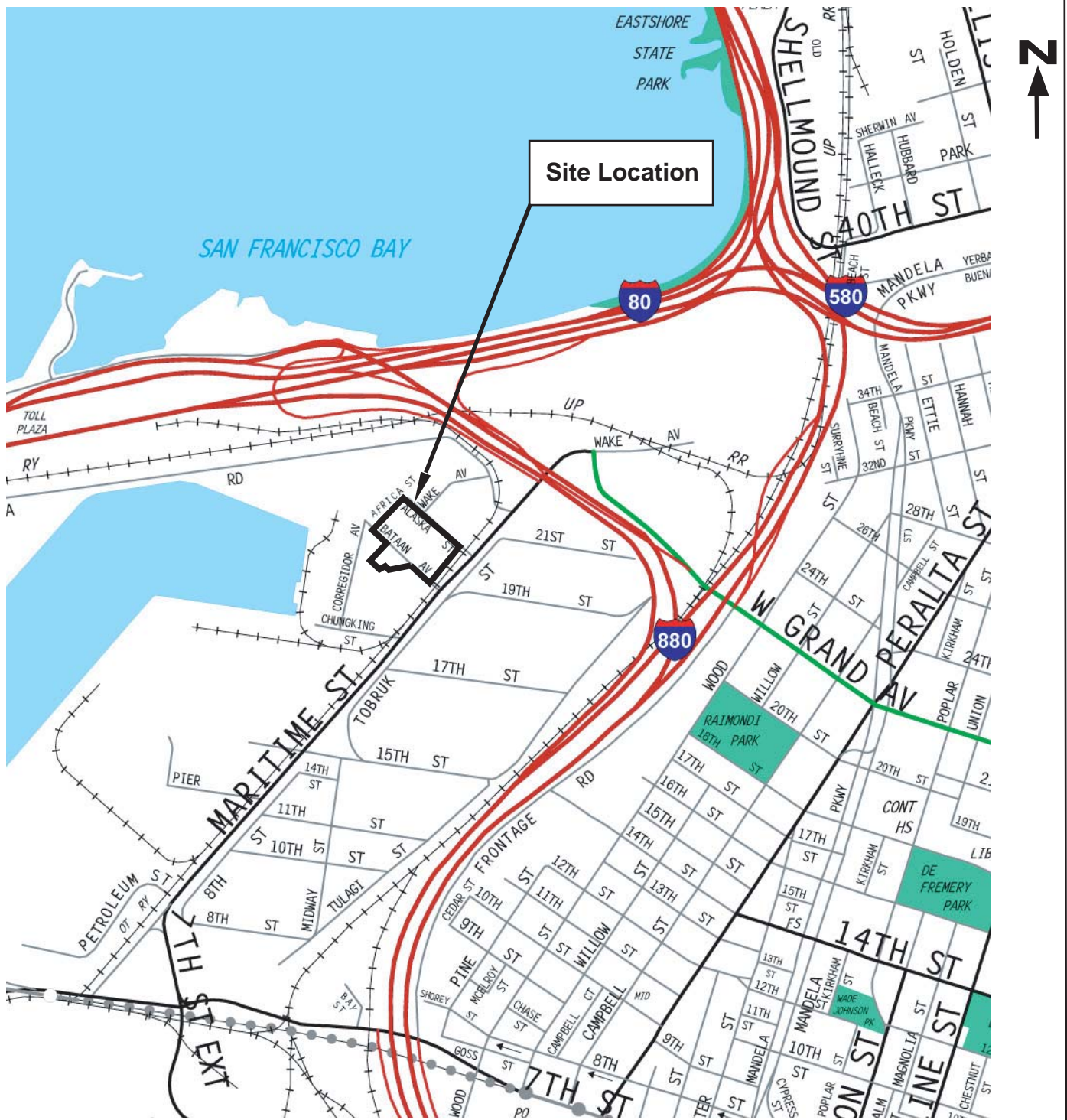
8.2 Termination

A revised site map, name, address, and telephone number of the new owner will be included when submitting a Notice of Termination.



ATTACHMENT A
SITE LOCATION MAP





APPROXIMATE LOCATION
NOT TO SCALE

ATTACHMENT A Site Location Map

Former ORP/Building 1 Area
Former Oakland Army Base
Oakland, California
October 2005
Project No. 1147.01

ATTACHMENT B
ANNUAL CERTIFICATION OF COMPLIANCE FORM



Attachment B

Annual Certification of Compliance Form

Project Name: _____

Project Number: _____

Contractor Company Name: _____

Contractor Address: _____

Construction Start Date: _____ **Completion Date:** _____

Description of Work:

description of work

Work Now in Progress:

work in progress

Work Planned for Next 12 Months:

work planned

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Owner/Developer/Contractor Signature

Date

ATTACHMENT C
NOTICE OF INTENT



Attachment C



State Water Resources Control Board
NOTICE OF INTENT
 TO COMPLY WITH THE TERMS OF THE
 GENERAL PERMIT TO DISCHARGE STORM WATER
 ASSOCIATED WITH CONSTRUCTION ACTIVITY (WQ ORDER No. 99-08-DWQ)

9/21/05 - C.O. 191 of 5
 JCR # 605119
 NOTICE OF INTENT
 K WAYNE



I. NOI STATUS (SEE INSTRUCTIONS)

MARK ONLY ONE ITEM	1. <input checked="" type="checkbox"/> New Construction	2. <input type="checkbox"/> Change of Information for WDID#	
--------------------	---	---	--

II. PROPERTY OWNER

Name Oakland Army Base Reuse Authority	Contact Person Andrew Clough
Mailing Address 700 Murmansk Street, Suite 3	Title Environmental Manager
City Oakland	State CA
	Zip 94607
	Phone (510) 986-2879

III. DEVELOPER/CONTRACTOR INFORMATION

Developer/Contractor Pacific States Environmental Contractors	Contact Person Keith Wayne
Mailing Address 11555 Dublin Boulevard	Title Project Manager
City Dublin	State CA
	Zip 94568
	Phone (925) 803-4333

IV. CONSTRUCTION PROJECT INFORMATION

Site/Project Name Former ORP/Building 1 Remediation Project at the Former Oakland Army Base		Site Contact Person Cory Divers	
Physical Address/Location Bataan Avenue at Maritime Street		Latitude 37.8	Longitude 122.3
County Alameda		City (or nearest City) Oakland	Zip CA
Site Phone Number (925) 570-1566		Emergency Phone Number (925) 872-2481	
A. Total size of construction site area: 8 Acres	C. Percent of site imperviousness (including rooftops): Before Construction: 80% After Construction: 64%		D. Tract Number(s):
B. Total area to be disturbed: 8 Acres (% of total 15)	E. Mile Post Marker: NA		
F. Is the construction site part of a larger common plan of development or sale? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		G. Name of plan or development:	
H. Construction commencement date: 10/03/2005		J. Projected construction dates: Complete grading: 12/13/2005, Complete project: 12/14/200	
I. % of site to be mass graded: 15			
K. Type of Construction (Check all that apply): 1. <input type="checkbox"/> Residential 2. <input type="checkbox"/> Commercial 3. <input type="checkbox"/> Industrial 4. <input type="checkbox"/> Reconstruction 5. <input type="checkbox"/> Transportation 6. <input type="checkbox"/> Utility Description: 7. <input checked="" type="checkbox"/> Other (Please List): Site Environmental Remediation			

V. BILLING INFORMATION

SEND BILL TO: <input type="checkbox"/> OWNER (as in II. above)	Name Pacific States Environmental Contractors	Contact Person Keith Wayne
<input checked="" type="checkbox"/> DEVELOPER (as in III. above)	Mailing Address 11555 Dublin Boulevard	Phone/Fax (925) 803-4333
<input type="checkbox"/> OTHER (enter information at right)	City Dublin	State CA
		Zip 94568

VI. REGULATORY STATUS

- A Has a local agency approved a required erosion/sediment control plan? ☐ YES ☒ N
- Does the erosion/sediment control plan address construction activities such as infrastructure and structures? ☐ YES ☒ N
- Name of local agency: _____ Phone: () -
- B Is this project or any part thereof subject to conditions imposed under a CWA Section 404 permit of 401 Water Quality Certification? ☒ YES ☒ NO
- If yes, provide details: _____

VII. RECEIVING WATER INFORMATION

- A. Does the storm water runoff from the construction site discharge to (Check all that apply):
1. ☐ Indirectly to waters of the U.S.
 2. ☒ Storm drain system - Enter owner's name: City of Oakland
 3. ☐ Directly to waters of U.S. (e.g., river, lake, creek, stream, bay, ocean, etc.)

B Name of receiving water: (river, lake, creek, stream, bay, ocean): San Francisco Bay

VIII. IMPLEMENTATION OF NPDES PERMIT REQUIREMENTS**A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (check one)**

- ☐ A SWPPP has been prepared for this facility and is available for review: Date Prepared: 9/10/2005 Date Amended: ____/____/____
- ☒ A SWPPP will be prepared and ready for review by (enter date): 9/26/2005
- ☒ A tentative schedule has been included in the SWPPP for activities such as grading, street construction, home construction, etc.

B. MONITORING PROGRAM

- ☒ A monitoring and maintenance schedule has been developed that includes inspection of the construction BMPs before anticipated storm events and after actual storm events and is available for review

If checked above: A qualified person has been assigned responsibility for pre-storm and post-storm BMP inspections to identify effectiveness and necessary repairs or design changes ☒ YES ☐ NO

Name: Cory Divers

Phone: (925) 519-2492

C. PERMIT COMPLIANCE RESPONSIBILITY

A qualified person has been assigned responsibility to ensure full compliance with the Permit and to implement all elements of the Storm Water Pollution Prevention Plan including:

1. Preparing an annual compliance evaluation ☒ YES ☐ NO
Name: Cory Divers Phone: (925) 519-2492
2. Eliminating all unauthorized discharges ☒ YES ☐ NO

IX. VICINITY MAP AND FEE (must show site location in relation to nearest named streets, intersections, etc.)

- Have you included a vicinity map with this submittal? ☒ YES ☐ NO
- Have you included payment of the annual fee with this submittal? ☒ YES ☐ NO

X. CERTIFICATIONS

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. In addition, I certify that the provisions of the permit, including the development and implementation of a Storm Water Pollution Prevention Plan and a Monitoring Program Plan will be complied with."

Printed Name: CORY DIVERS

Signature: *Cory Divers*

Title: PRAT ENGINEER

Date: 9/21/05

**PACIFIC STATES ENVIRONMENTAL
CONTRACTORS INC.**

11555 DUBLIN BLVD.
DUBLIN CA 94568

WELLS FARGO BANK
ONE KAISER PLAZA, SUITE 850
OAKLAND, CALIFORNIA 94612

11-24
1210 (8)

005315

Pg 3 of 5

CHECK NO.

5315

SPECIAL IMPREST CHECK

PAY ***\$427.00***

TO THE
ORDER OF

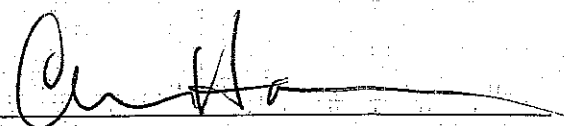
DATE

9/16/2005

AMOUNT

\$427.00

STATE WATER RESOURCES CONTROL BOARD
1001 "I" STREET
ATTN: STORM WATER
SACRAMENTO, CA 95814



⑈005315⑈ ⑆121000248⑆4121163398⑈

PACIFIC STATES ENVIRONMENTAL DUBLIN, CA 94568

CHECK NO.

5315

STATE WATER RESOURCES CONTROL BOARD
NOTICE OF INTENT FEE

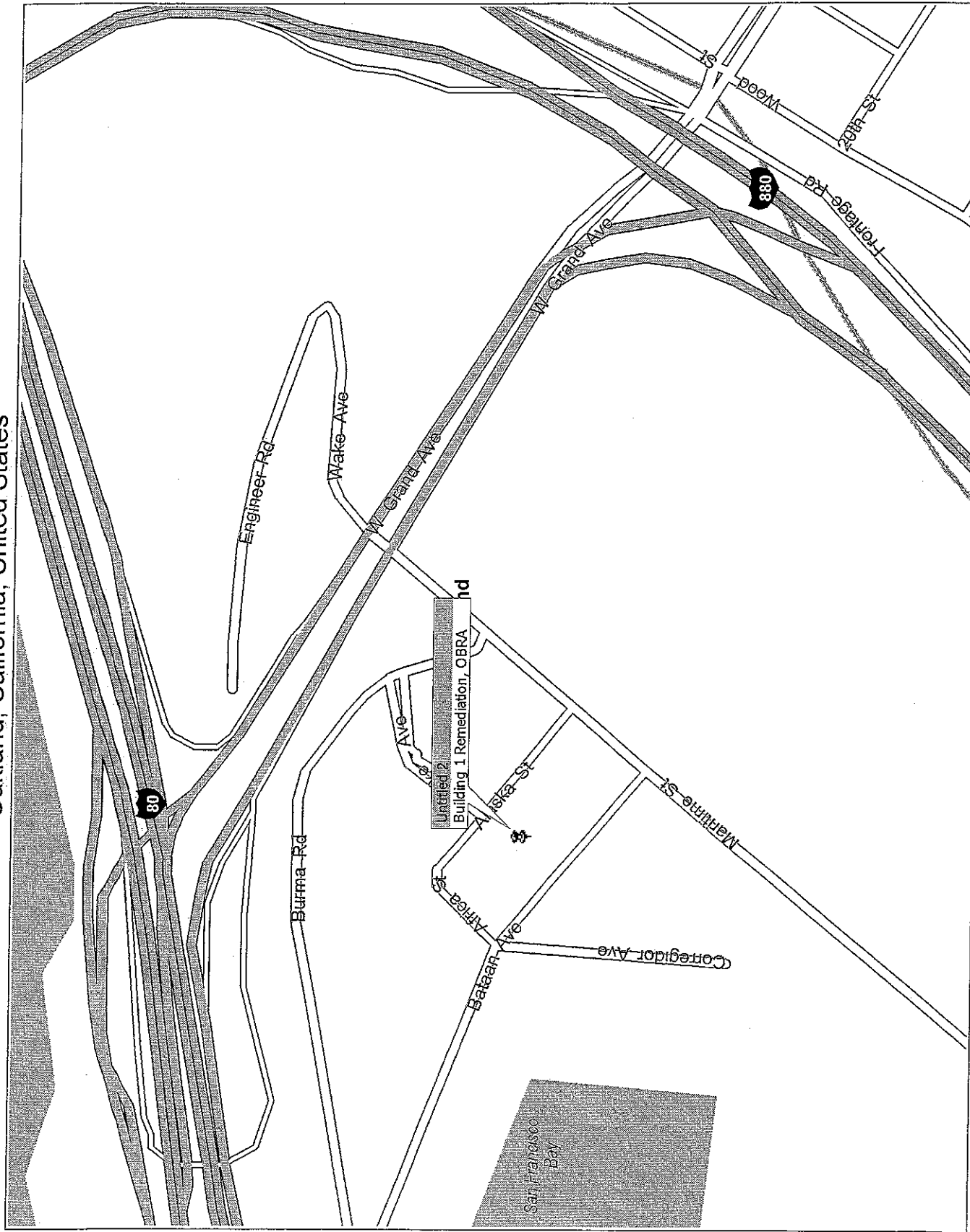
REQUESTED BY: CORY DIVERS

\$427.00

CODE: 605119-1300

JOB: 605119

VENDOR #8103





Pacific States

ENVIRONMENTAL CONTRACTORS INC.
California Contractor License #728241 - HAZ

11555 Dublin Blvd., Dublin, CA 94568
Tel. 925-803-4333 Fax 925-803-4334

TO

State Water Resources Control Board, Division of
Water Quality

P.O. Box 1977

Sacramento, CA 95812-1977

Attn.: Storm Water Permit Unit

LETTER OF TRANSMITTAL

DATE 9/19/2005	JOB NO. 605119
RE: Notice of Intent	

WE ARE SENDING YOU:- ☐ Attached ☐ under separate cover via _____ the following items;

- ☐ Prints ☐ Shop Drawings ☐ Plans ☐ Specifications ☐ Samples
☐ Change Order ☐ Copy of Letter ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1	9/19/05	1	Notice of Intent
1	9/19/05	2	NOI Fee, Check # 005315
1	9/19/05	3	Site Map

THESE ARE TRANSMITTED AS CHECKED BELOW:

- ☐ for approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ for your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO _____

File No. _____

SIGNED: _____

Cory Divers

If enclosures are not as noted, kindly notify us at once.



Alan C. Lloyd Ph D
Secretary for
Environmental
Protection

State Water Resources Control Board

Division of Water Quality

1001 I Street • Sacramento, California 95814 • (916) 341-5536
Mailing Address: P.O. Box 1977 • Sacramento, California • 95812-1977
FAX (916) 341-5543 • Internet Address: <http://www.waterboards.ca.gov>
Email Address: stormwater@waterboards.ca.gov



Arnold Schwarzenegger
Governor

September 26, 2005

RECEIVED

OCT 25 2005

Keith Wayne
Pacific States Environmental Contractors
11555 Dublin Blvd
Dublin, CA 94568-2854

PACIFIC STATES

RECEIPT OF YOUR NOTICE OF INTENT

The State Water Resources Control Board (State Water Board) has received and processed your NOTICE OF INTENT TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY. Accordingly, you are required to comply with the permit requirements.

The WDID identification number **201C336806**.

Please use this number in any future communications regarding this permit.

SITE DESCRIPTION

<p>OWNER: Oakland Army Base Reuse Authority DEVELOPER: Pacific States Environmental Contractors COUNTY: Alameda SITE ADDRESS: Bataan Ave At Maritime St Oakland, CA COMMENCEMENT DATE: 10/3/05 EST. COMPLETION DATE: 12/14/05</p>

When construction is complete or ownership has been transferred, dischargers are required to notify the Regional Water Board by submitting a Notice of Termination (NOT). All State and local requirements must be met in accordance with Special Provision No. 7 of the General Permit. If you do not notify the State Water Board that construction activity has been completed you will continue to be invoiced for the annual fee each July. Please visit the storm water web page at www.waterboards.ca.gov/stormwtr/index.html to obtain NOT and other storm water related information and forms.

If you have any questions regarding permit requirements, please contact your Regional Water Board at (510) 622-2300.

Sincerely,

Storm Water Section
Division of Water Quality

California Environmental Protection Agency



Recycled Paper

ATTACHMENT D

COMPUTATION SHEET FOR DETERMINING RUNOFF COEFFICIENTS



Attachment D

Computation Sheet for Determining Runoff Coefficients

$$\text{Total Site Area} = \underline{9.3 \text{ Acres}} \quad (\text{A})$$

Existing Site Conditions

$$\text{Impervious Site Area}^1 = \underline{7.3 \text{ Acres}} \quad (\text{B})$$

$$\text{Impervious Site Area Runoff Coefficient}^{2,4} = \underline{0.95} \quad (\text{C})$$

$$\text{Pervious Site Area}^3 = \underline{2 \text{ Acres}} \quad (\text{D})$$

$$\text{Pervious Site Area Runoff Coefficient}^4 = \underline{0.2} \quad (\text{E})$$

$$\text{Existing Site Area Runoff Coefficient} \frac{(B \times C) + (D \times E)}{(A)} = \underline{0.79} \quad (\text{F})$$

Proposed Site Conditions (after construction)

$$\text{Impervious Site Area}^1 = \underline{6 \text{ Acres}} \quad (\text{G})$$

$$\text{Impervious Site Area Runoff Coefficient}^{2,4} = \underline{.95} \quad (\text{H})$$

$$\text{Pervious Site Area}^3 = \underline{3.3 \text{ Acres}} \quad (\text{I})$$

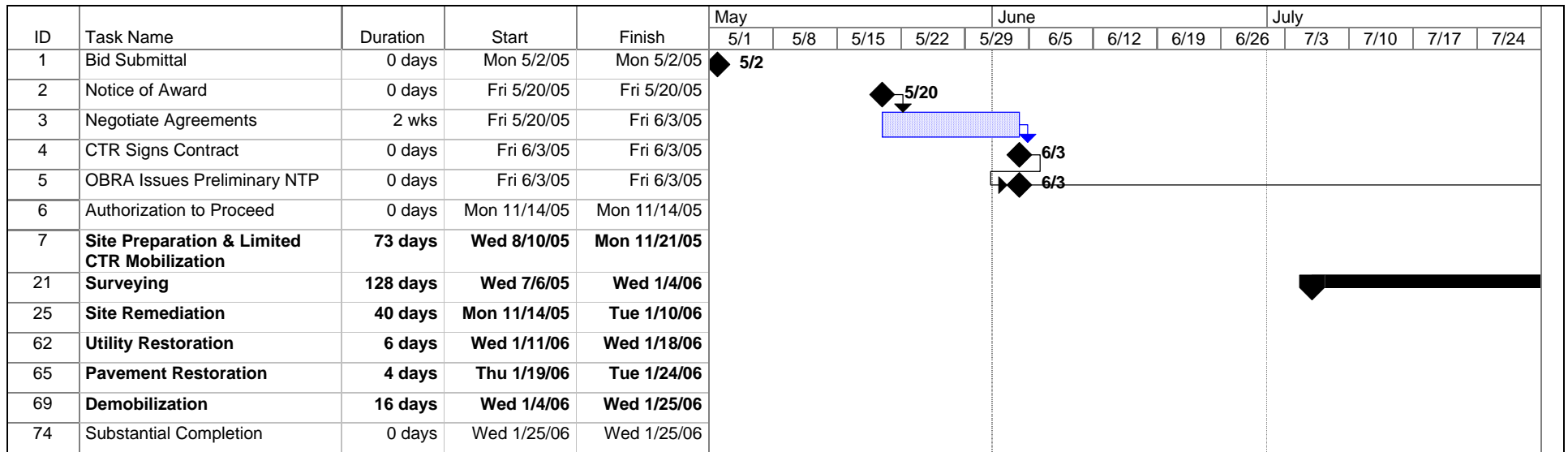
$$\text{Pervious Site Area Runoff Coefficient}^4 = \underline{0.1} \quad (\text{J})$$

$$\text{Proposed Site Area Runoff Coefficient} \frac{(G \times H) + (I \times J)}{(A)} = \underline{0.64} \quad (\text{K})$$

1. Includes paved areas, areas covered by buildings, and other impervious surfaces.
2. Use 0.95 unless lower or higher runoff coefficient can be verified.
3. Includes areas of vegetation, most unpaved or uncovered soil surfaces, and other pervious areas.
4. Refer to local Hydrology Manual for typical C values.

ATTACHMENT E
PROJECT CONSTRUCTION SCHEDULE

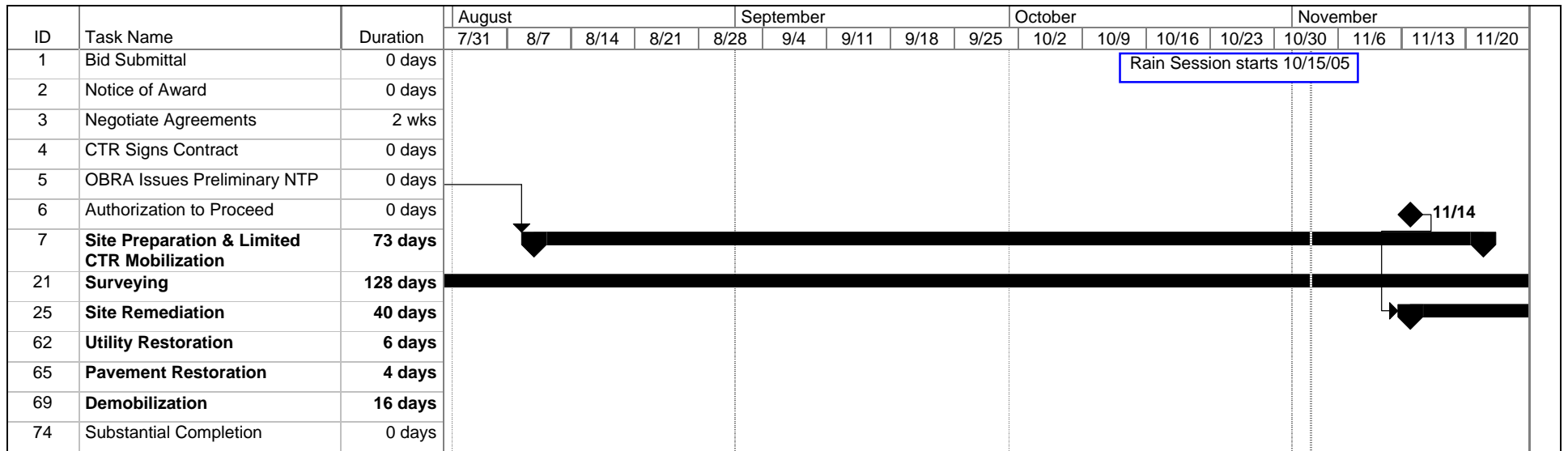













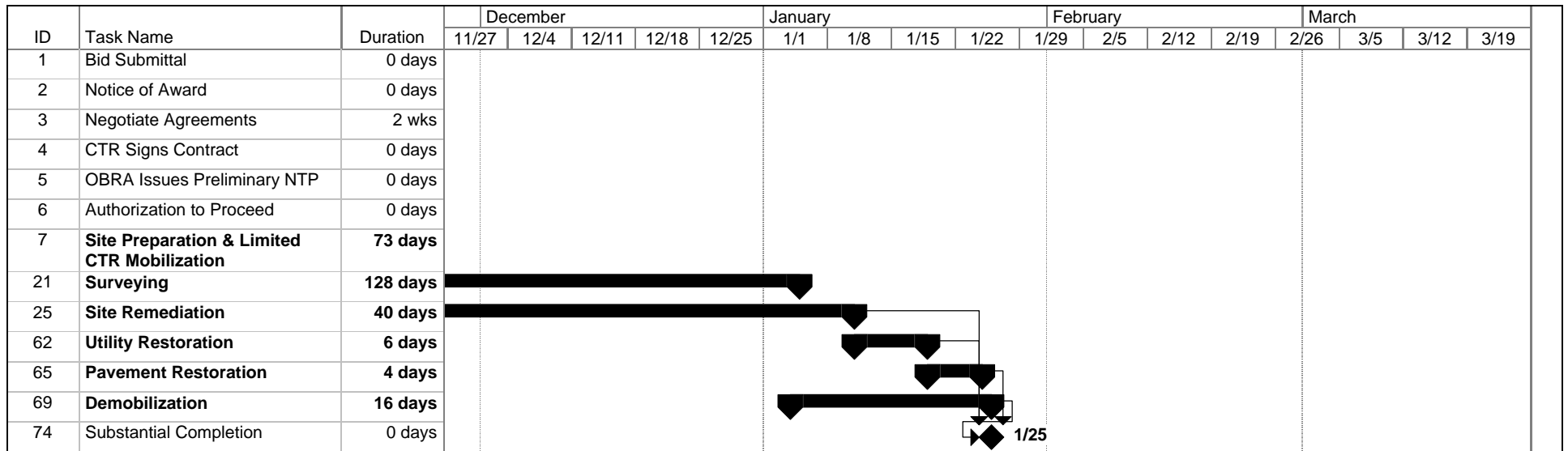
Project: Attachment E - Construction S Date: Thu 11/3/05	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

ATTACHMENT E Project Construction Schedule

Former ORP/Building 1 Area
Former Oakland Army Base
Oakland, California
October 2005
Project No. 1147.01



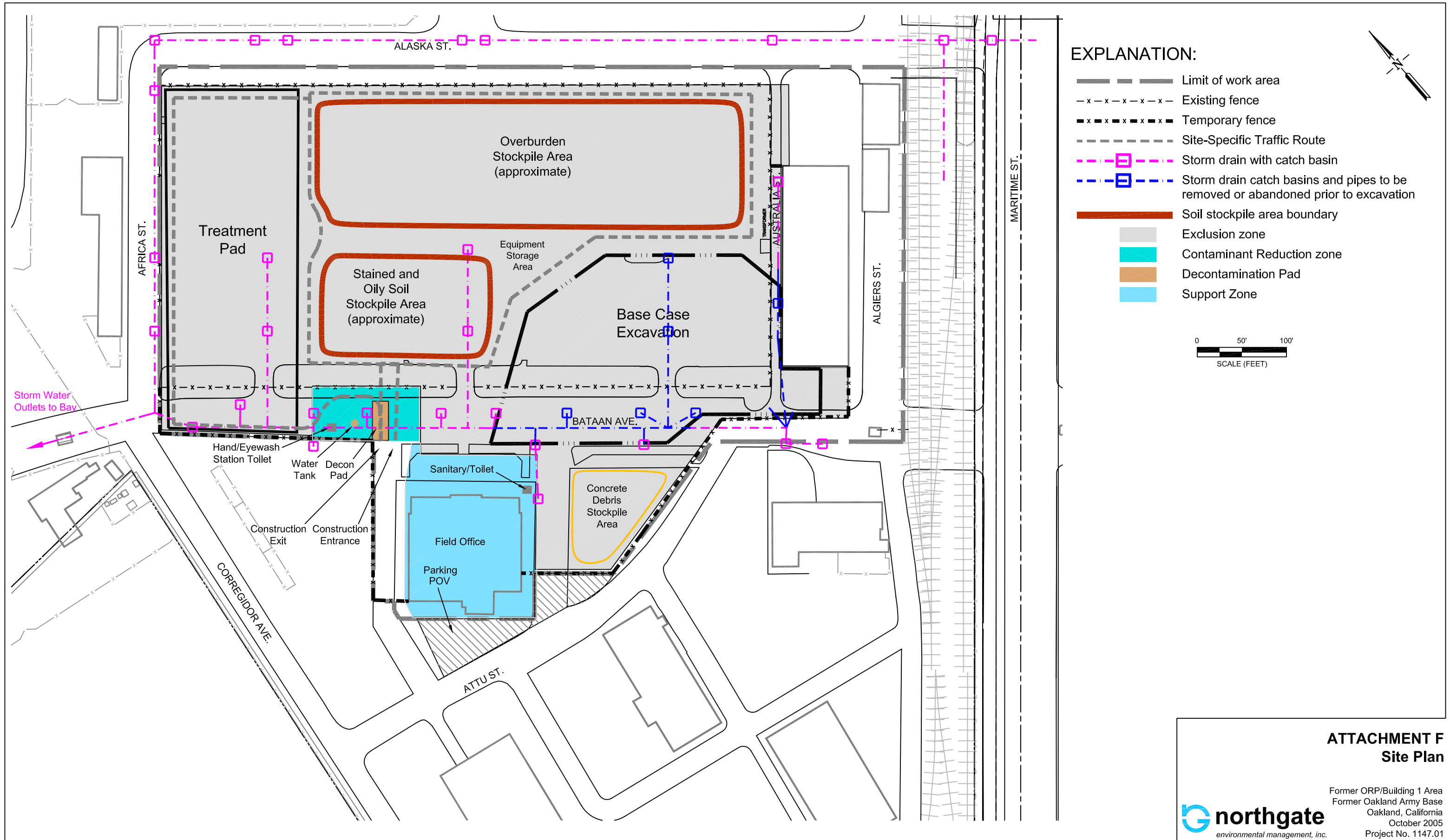
Project: Attachment E - Construction S Date: Thu 11/3/05	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	



Project: Attachment E - Construction S Date: Thu 11/3/05	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

ATTACHMENT F
SITE PLAN





ATTACHMENT F
Site Plan

ATTACHMENT G

SUBCONTRACTOR NOTIFICATION LETTER AND NOTIFICATION LOG



Attachment G

Subcontractor Notification Letter and Notification Log

SWPPP Notification

Company
Address
City, State, ZIP

Dear Sir/Madam,

Please be advised that the California State Water Resources Control Board has adopted the General Permit (General Permit) for Storm Water Discharges Associated with Construction Activity (CAS000002). The goal of these permits is prevent the discharge of pollutants associated with construction activity from entering the storm drain system, ground and surface waters.

Pacific States Environmental Contractors, Inc. has developed a Storm Water Pollution Prevention Plan (SWPPP) in order to implement the requirements of the Permits.

As a subcontractor, you are required to comply with the SWPPP and the Permits for any work that you perform on site. Any person or group who violates any condition of the Permits may be subject to substantial penalties in accordance with state and federal law. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP and the Permits. A copy of the Permits and the SWPPP are available for your review at the construction office. Please contact me if you have further questions.

Sincerely,

Cory Divers
SWPPP Manager
Pacific States Environmental Contractors, Inc.

SUBCONTRACTOR NOTIFICATION LOG

Project Name: _____

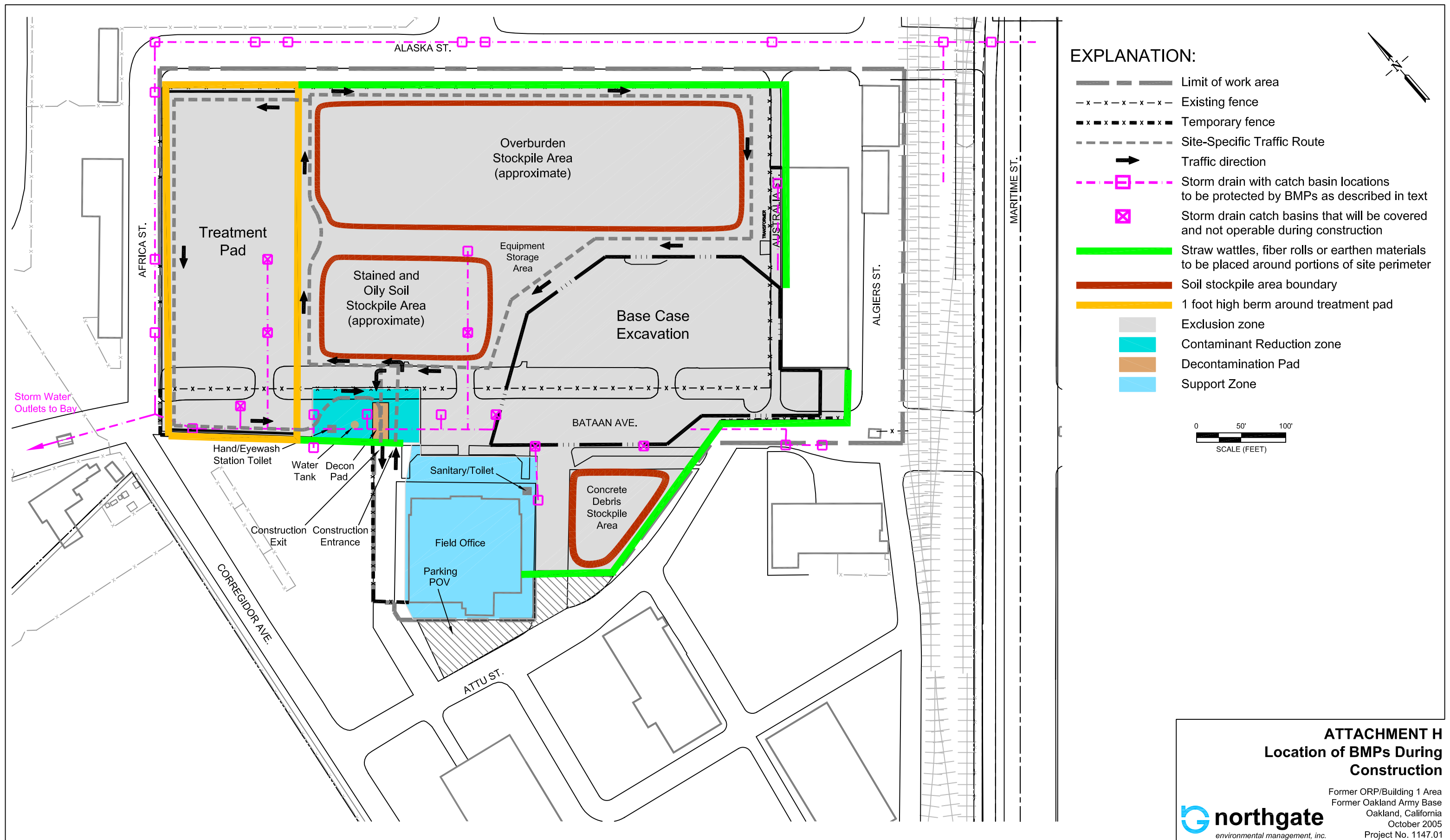
Project Number/Location: _____

SUBCONTRACTOR COMPANY NAME	CONTACT NAME	ADDRESS	PHONE NUMBER	PAGER/ FIELD PHONE	DATE NOTIFICATION LETTER SENT	TYPE OF WORK

USE ADDITIONAL PAGES AS NECESSARY

ATTACHMENT H
LOCATION OF BMPs DURING CONSTRUCTION

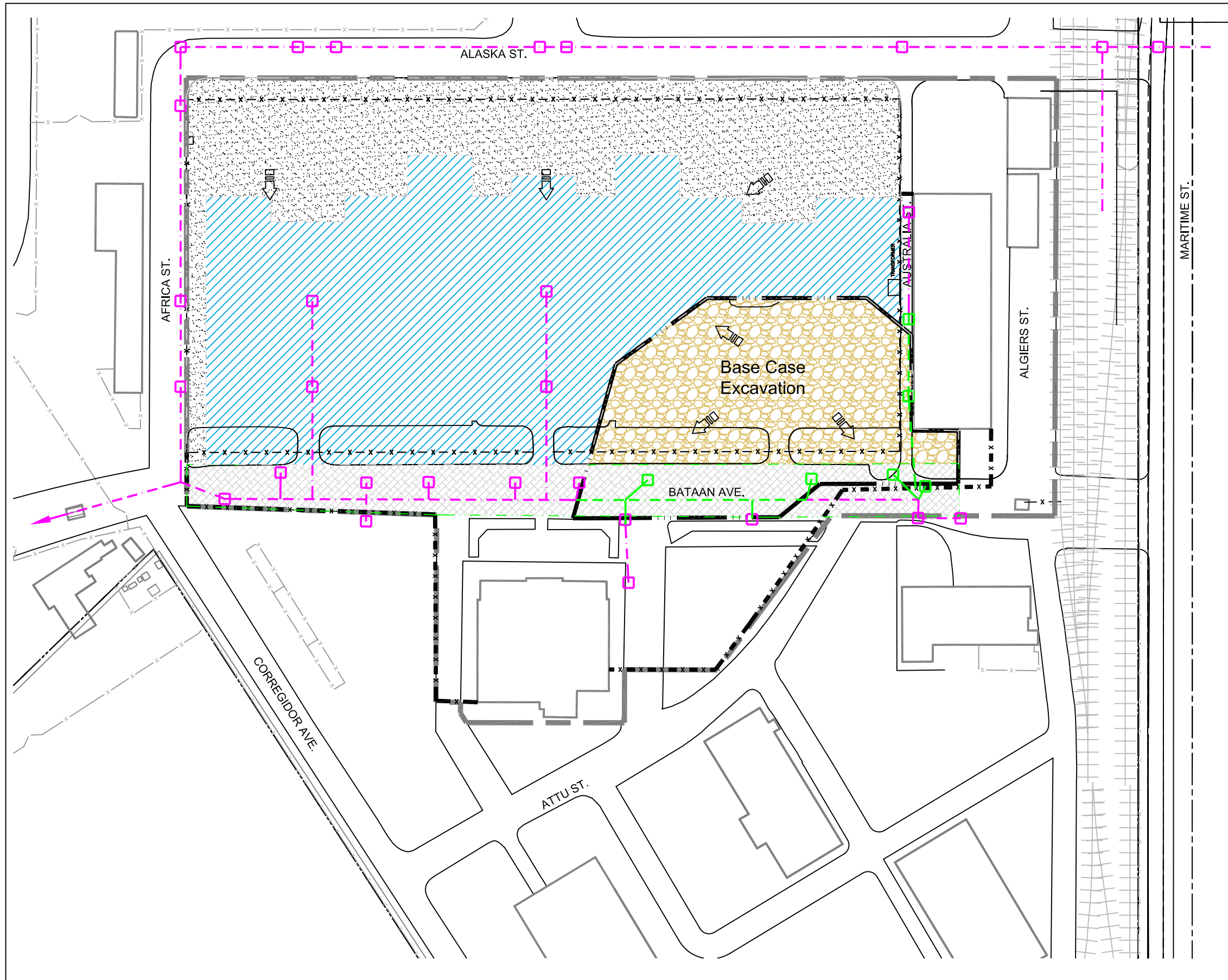




ATTACHMENT H **Location of BMPs During Construction**

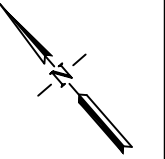
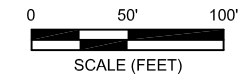
ATTACHMENT I
POST CONSTRUCTION GRADING PLAN





EXPLANATION:

- Limit of work area
- Existing fence
- Temporary fence
- Storm drain with catch basin
- Planned storm drain catch basins and pipes locations
- Asphalt paving (new)
- Asphalt paving (existing)
- Gravel surfacing (new)
- Soil/vegetated areas (existing)
- Surface drainage direction



ATTACHMENT I Post-Construction Grading Plan



Former ORP/Building 1 Area
Former Oakland Army Base
Oakland, California
October 2005
Project No. 1147.01

ATTACHMENT J
TRAINED CONTRACTOR PERSONNEL LOG



Attachment J

Trained Contractor Personnel Log

Storm Water Management Training Log

Project Name: _____

Project Number/Location: _____

Storm Water Management Topic: (check as appropriate)

- ☐ Erosion Control
 - ☐ Wind Erosion Control
 - ☐ Non-storm water management
 - ☐ Storm Water Sampling
 - ☐ Sediment Control
 - ☐ Tracking Control
 - ☐ Waste Management and Materials Pollution Control

Specific Training Objective: _____

Location: _____ Date: _____

Instructor: _____ Telephone: _____

Course Length (hours): _____

Attendee Roster (attach additional forms if necessary)

[illegible]

Name	Company	Phone

COMMENTS:

ATTACHMENT K
STORM WATER QUALITY CONSTRUCTION
SITE INSPECTION CHECKLIST



Attachment K

Storm Water Quality Construction Site Inspection Checklist

GENERAL INFORMATION				
Project Name				
Project N°				
Contractor				
Inspector's Name				
Inspector's Title				
Signature				
Date of Inspection				
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____			
Season (Check Applicable)	<input type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy			
Storm Data	Storm Start Date & Time:		Storm Duration (hrs):	
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (inches)	

PROJECT AREA SUMMARY AND DISTURBED SOIL AREA (DSA) SIZE	
Total Project Area	_____ Acres
Field Estimate of Active DSAs	_____ Acres
Field Estimate of Non-Active DSAs	_____ Acres

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?				
Location:				
Location:				
Location:				
Location:				
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?				
Are any non-vegetated areas that may require temporary erosion control?				
Is the area where erosion controls are used required free from visible erosion?				
Location:				
Location:				
Location:				
Location:				
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?				
Are temporary linear sediment barriers free of accumulated litter?				
Is the built-up sediment less than 1/3 the height of the barrier?				
Are cross barriers installed where necessary and properly spaced?				
Location:				
Location:				
Location:				
Location:				
Location:				
Storm Drain Inlet Protection				
Are storm drain inlets internal to the project properly protected?				
Are storm drain inlet protection devices in working order and being properly maintained?				
Location:				
Location:				
Location:				
Location:				
Location:				
Sediment Basins				

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
Are basins designed in accordance with the requirements of the General Permit?				
Are basins maintained to provide the required retention/detention?				
Are basin controls (inlets, outlets, diversions, weirs, spillways, and racks) in working order?				
Location:				
Location:				
Location:				
Location:				
Stockpiles				
Are all locations of temporary stockpiles, including soil, hazardous waste, and construction materials in approved areas?				
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?				
Are stockpiles located at least 15 m from concentrated flows, downstream drainage courses and storm drain inlets?				
Are required covers and/or perimeter controls in place?				
Location:				
Location:				
Location:				
Location:				
Concentrated Flows				
Are concentrated flow paths free of visible erosion?				
Location:				
Location:				
Location:				
Location:				
Tracking Control				
Is the entrance stabilized to prevent tracking				
Is the stabilized entrance inspected daily to ensure that it is working properly				
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?				
Are all paved areas free of visible sediment tracking or other particulate matter?				
Location:				
Location:				
Location:				
Location:				
Wind Erosion Control				
Is dust control implemented?				

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
Location:				
Location:				
Location:				
Location:				
Dewatering Operations				
Are all one-time dewatering operations covered by the General Permit inspected before and as they occur and BMPs implemented as necessary during discharge?				
Is ground water dewatering handled in conformance with the dewatering permit issued by the RWQCB?				
Is required treatment provided for dewatering effluent?				
Location:				
Location:				
Location:				
Location:				
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?				
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?				
If no, are drip pans used?				
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m away from downstream drainage facilities and watercourses and protected from run-on and runoff?				
Is wash water contained for infiltration/ evaporation and disposed of appropriately?				
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?				
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?				
Location:				
Location:				
Location:				
Location:				
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?				
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?				
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?				

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
Are bagged and boxed materials stored on pallets?				
Are hazardous materials and wastes stored in appropriate, labeled containers?				
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?				
Are temporary containment facilities free of spills and rainwater?				
Are temporary containment facilities and bagged/boxed materials covered?				
Are temporary concrete washout facilities designated and being used?				
Are temporary concrete washout facilities functional for receiving and containing concrete waste and are concrete residues prevented from entering the drainage system?				
Do temporary concrete washout facilities provide sufficient volume and freeboard for planned concrete operations?				
Are concrete wastes, including residues from cutting and grinding, contained and disposed of off-site or in concrete washout facilities?				
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?				
Is the site free of litter?				
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?				
Is litter from work areas collected and placed in watertight dumpsters?				
Are waste management receptacles free of leaks?				
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?				
Are waste management receptacles filled at or beyond capacity?				
Location:				
Location:				
Location:				
Location:				
Temporary Water Body Crossing or Encroachment				
Are temporary water body crossings and encroachments constructed appropriately?				
Does the project conform to the requirements of the 404 permit and/or 1601 agreement?				
Location:				
Location:				
Location:				
Location:				
Illicit Connection/ Discharge				

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
Is there any evidence of illicit discharges or illegal dumping on the project site?				
If yes, has the Owner/Operator been notified?				
Location:				
Location:				
Location:				
Location:				
Discharge Points				
Are discharge points and discharge flows free from visible pollutants?				
Are discharge points free of any significant sediment transport?				
Location:				
Location:				
Location:				
Location:				
SWPPP Update				
Does the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?				
Are all BMPs shown on the water pollution control drawings installed in the proper location(s) and according to the details in the SWPPP?				
Location:				
Location:				
Location:				
Location:				
General				
Are there any other potential concerns at the site?				
Location:				
Location:				
Location:				
Location:				
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?				
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?				
Did the sampling results indicate that the discharges are causing or contributing to further impairment?				

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?				
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?				
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?				
Were the BMPs maintained or replaced?				
Were soil amendments (e.g., gypsum, lime) used on the project?				
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?				
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?				
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)				
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?				

October 31, 2005

Project No. 1147.01

Mr. Andrew Clough
Environmental Manager
Oakland Base Reuse Authority
700 Murmansk Street, Suite 3
Oakland, California 94607

Re: Response to EPA's October 27, 2005 Letter
Storm Water Pollution Prevention Plan
Former Oil Reclaiming Plant (ORP)/Building 1 Area
Former Oakland Army Base—Economic Development Conveyance Area
Oakland, California

Dear Mr. Clough:

On behalf of the Oakland Base Reuse Authority (OBRA), Northgate Environmental Management, Inc., (Northgate) has prepared these comments in response to the above referenced correspondence from Xuan-Mai Tran, Remedial Project Manager, Federal Facility and Site Cleanup Branch, United States Environmental Protection Agency Region IX, dated October 27, 2005.

1. ***Section 6.2.1, BMPs for Chemically Impacted Soils, Page 13: The third bullet in this section explains that soil will be drained before transferring it to the treatment pad or stockpile areas, but the site plans do not show a dewatering area. Saturated soils are likely to require several hours to days to drain sufficiently to allow handling without generating runoff. Please revise this section to clarify how the soils can be handled given the likely time required for draining.***

Response to Comment No. 1:

The section has been revised to address your comment. The intent is to minimize runoff to the extent practical. The amount of time it will take to drain the materials will depend on the nature of the material and construction constraints. BMPs are also in place in the event that runoff is generated once material is stockpiled.

2. ***Attachment C, Notice of Intent, last page: Section VI, Regulatory Status, Item B, asks if this project is subject to conditions imposed under a CWA Section 404 Permit of 401 Water Quality Certification, but the answer is both “yes” and “no”. Please revise the form to either answer the question clearly or to provide an explanation for the given answer.***

Response to Comment No. 2:

The Section VI correct answer is “no”. The NOI was submitted on September 19, 2005. The State Water Resource Control Board has processed the application and notified Pacific Sates on September 27, 2005 without comment.

3. ***Attachment H, Location of BMPs During Construction: The figure shows that the catch basin immediately northeast of the Stained and Oily Soil Stockpile Area will remain unprotected during remediation, but bullet two on page 16 indicates that all catch basins and drain inlets will be protected. It appears that, given its close proximity to the stockpile, this catch basin may receive runoff from the stockpile during rain events. Please revise the Storm Water Pollution Prevention Plan (SWPPP) to consistently indicate that all catch basins will be covered and not operable during construction.***

Response to Comment No. 3:

The figure shows that the catch basin immediately northeast of the Stained and Oily Soil Stockpile Area will remain protected by BMPs as described in the text (see explanation on figure). This catch basin will remain operable during construction.

4. ***Attachment I, Post-Construction Grading Plan: The figure shows that the catch basins in the center of the site may receive silty surface runoff. The surface drainage area from the soil/vegetated areas is in the direction of the catch basins and Section 6.7 does not indicate that the area will be revegetated after underlying the Overburden Stockpile Area. Therefore, it appears that sediment may erode and be transported from the site via the catch basins. Further, it appears likely that the catch basins may become clogged with mud and debris reducing their effectiveness. Please revise the SWPPP to clearly explain how migration of sediment from the unpaved areas of the site will be prevented after construction is complete and before vegetation has been established to control erosion and runoff.***

Response to Comment No. 4:

The section has been revised to state that storm drain catch basins will continue to be protected after construction is completed until vegetation is reestablished in unpaved areas.



If you should have any questions regarding the above-referenced response to comments on the *Storm Water Pollution Prevention Plan, Former Oil Reclaiming Plant (ORP)/ Building 1 Area, Former Oakland Army Base—Economic Development Conveyance Area, Oakland, California*, please contact me at (510) 839-0688.

Sincerely,
Northgate Environmental Management, Inc.



Alan Leavitt, P.E.
Principal

Distribution:

Henry Wong
Remedial Project Manager
Office of Military Facilities
Department of Toxic Substances Control
California Environmental Protection Agency
700 Heinz Avenue
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environmental management, inc.

October 31, 2005

Project No. 1147.01

Mr. Andrew Clough
Environmental Manager
Oakland Base Reuse Authority
700 Murmansk Street, Suite 3
Oakland, California 94607

Re: Response to DTSC's October 21, 2005 Letter
Storm Water Pollution Prevention Plan
Former Oil Reclaiming Plant (ORP)/Building 1 Area
Former Oakland Army Base—Economic Development Conveyance Area
Oakland, California

Dear Mr. Clough:

On behalf of the Oakland Base Reuse Authority (OBRA), Northgate Environmental Management, Inc., (Northgate) has prepared these comments in response to the above referenced correspondence from Henry Wong, Remedial Project Manager, Office of Military Facilities, Department of Toxic Substances Control (DTSC), dated October 19, 2005.

1. Pages 18 and 19: Please replace "SWPPPM" with "SWPPM."

Response to Comment No. 1:

Page 18 and 19 have been revised as requested.

2. Acronym: Please spell out "APN" before its use.

Response to Comment No. 2:

The acronym has been spelled out as requested.

3. Attachment E, page 2: Please provide line identifications and task names on the schedule.

Response to Comment No. 3:

The attachment has been revised as requested.

4. Attachment I: Please label “Gravel Surfacing” as a new ground cover.

Response to Comment No. 4:

The attachment has been revised as requested.

If you should have any questions regarding the above-referenced response to comments on the *Storm Water Pollution Prevention Plan, Former Oil Reclaiming Plant (ORP)/ Building 1 Area, Former Oakland Army Base—Economic Development Conveyance Area, Oakland, California*, please contact me at (510) 839-0688.

Sincerely,

Northgate Environmental Management, Inc.



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